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CLOSED-LOOP COLOR CORRECTION USING LABORATORY-MEASURED  
COLOR CUTOFFS ANCHORED TO FIELD-MEASURED BLACK-AND-WHITE

ABSTRACT OF THE DISCLOSURE

Absolute perceptual values are stored in the design lab, for maximum-density-tone cutoffs — preferably a maximum yellow-blue chrominance  $b^*$  for yellow and minimum luminosity  $L^*$  for other colorants. Automatic field operations in each printer then force the printer to subsequently print nominal full-saturation colorants so as to match the stored values. In addition to the stored cutoffs, black-and-white reference values measured in the printer are also used in linearizing printer response, for specific combinations of printing medium and printmode.